

## CLAIMS:

1. A lighting control device comprising a sensor, which is capable of measuring electromagnetic radiation in a room, and control means which are capable of controlling the lighting in the room in response to the measured radiation values, characterized in that the sensor includes a video sensor which is capable of taking an electronic image of the room.
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2. A lighting control device as claimed in claim 1, characterized in that the video sensor comprises a CCD (Charged Coupled Device).
3. A lighting control device as claimed in claim 1 or 2, characterized in that the
- 10 sensor and the control means can suitably be used to control the lighting in response to the measured radiation values of both visible light and infrared radiation.
4. A lighting control device as claimed in claim 1, 2 or 3, characterized in that the control means are capable of controlling the lighting in response to the radiation values of
- 15 visible light in predetermined parts of the image.
5. A lighting control device as claimed in any one of the preceding claims, characterized in that the control means are capable of controlling the lighting in response to the color temperature values of the image.
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6. A lighting control device as claimed in any one of the preceding claims, characterized in that the control means are capable of controlling the lighting in response to the contrast between the values of the image.
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7. A lighting control device as claimed in any one of the preceding claims, characterized in that the control means comprise motion detection means.
8. A lighting control device as claimed in any one of the preceding claims, characterized in that the control means comprise object recognition means.

9. A lighting control device as claimed in any one of the preceding claims, characterized in that the control means can react to signals emitted by a remote control.
10. A method of controlling the lighting in a room, wherein the electromagnetic radiation in a room is measured by means of a sensor, the lighting in the room is controlled, by means of control means, in response to the measured radiation values, characterized in that the electromagnetic radiation is measured by a CCD (Charged Coupled Device) sensor producing an electronic image of the room.